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(54) Title: INHIBITORS OF CASPASE-3-MEDIATED CLEAVAGE OF ESSENTIAL VENTRICULAR MYOSIN LIGHT CHAIN

(57) **Abstract:** The invention discloses use of peptide containing an essential ventricular myosin light chain type 1 (vMLC1) amino acid sequence, which is functional as cleavage site for caspase-3, in the screening for a compound for the treatment of chronic or acute cardiovascular disease. Further, screening methods for inhibitors of the caspase-3-mediated cleavage of vMLC1 are disclosed.